TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2017-01-19-01** **Date: 15-02-2017**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.
Agency	:	Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.
Customer's Reference	:	EE/BTP/BBMP/KRIDL/WO/128/2016-17
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	19-01-17
Sample ID No	:	2017-01-19-01-02(a)
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	24-01-17

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	855	855	5.7	94.3	90-100
3	20 mm	7243	8098	54.0	46.0	30-70
4	10 mm	4614	12712	84.7	15.3	10-35
5	4.75 mm	2017	14729	98.2	1.8	0-5
6	Pan	271	15000	100.0	0	---

Sig.....
Date.....
BANGALORE

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2017-01-19-01** **Date: 15-02-2017**

Sample ID No : 2017-01-19-01-02(a)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.5	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	9.8	
3	Specific Gravity	2.63	–
4	Bulk Density(Loose) (Kg/l)	1.48	–
5	Bulk Density(Compacted) (Kg/l)	1.54	–
6	Water Absorption(%)	0.23	–

Note:

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All information furnished by Customer/Representative
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Prepared by
Harshitha

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2017-01-19-02** **Date: 15-02-17**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

Agency : Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.

Customer's Reference : EE/BTP/BBMP/KRIDL/WO/128/2016-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 19-01-17

Sample ID No : 2017-01-19-01-03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 19-01-17

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0	100	100	100	100	100
2	4.75 mm	85	85	8.5	91.5	90-100	90-100	90-100	95-100
3	2.36 mm	138	223	22.3	77.7	60-95	75-100	85-100	95-100
4	1.18 mm	105	328	32.8	67.2	30-70	55-90	75-100	90-100
5	600 micron	197	525	52.5	47.5	15-34	35-59	60-79	80-100
6	300 micron	188	713	71.3	28.7	5-20	8-30	12-40	15-50
7	150 micron	232	945	94.5	5.5	0-10	0-10	0-10	0-15
8	Pan	55	1000	100	0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2017-01-19-02** **Date: 15-02-17**

Sample ID No : 2017-01-19-01-03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	2.16	–
2	Specific Gravity	2.57	–
3	Material finer than 75 micron	5.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

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Prepared by
Harshitha

FOR CIVIL Pro.

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Quality Manager

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2017-01-19-01** **Date: 15-02-2017**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.
Agency	:	Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.
Customer's Reference	:	EE/BTP/BBMP/KRIDL/WO/128/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-01-17
Sample ID No	:	2017-01-19-01-01
Sample Type	:	ACC 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	19-01-17

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.94	–
2	Finess by Air permeablity method (m^2/kg, Min)	288.1	225m^2/kg, Min
3	Density (gm/cc)	3.21	–
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	195 minutes	Not less than 30 minutes

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : **CP-2017-01-19-01** **Date: 15-02-2017**

Sample ID No : **2017-01-19-01-01**

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
6	Final Setting time	285 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.0mm	Not more than 10 mm
8	Compressive Strength		
	3 Days	29.5N/mm^2	Not less than 27 N/mm^2
	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
	28 Days	55.5N/mm^2	Not less than 53 N/mm^2

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Prepared by
Harshitha

FOR CIVIL Pro.

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

TEST RESULTS OF STEEL

Lab ID	:	**CP-2017-02-23-04** **Date: 28-02-17**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.
Agency	:	Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.
Customer's Reference	:	EE/BTP/BBMP/KRIDL/WO/128/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-02-17
Sample ID No	:	2017-02-23-04-01
Sample Type	:	Indus
Reference to BIS codes	:	IS 1786-2008
Date of test:	:	25-02-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample (kg/m)	Yield stress (N/mm^2)	Tensile strength (N/mm^2)	Elongation (%)
1	Indus	Fe500	8mm	0.391	542	661	19.0%

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Bend test	Rebend test
1	Indus	Fe500	8mm	Satisfactory	Satisfactory

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Prepared By:
Harshitha

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Authorized Signatory
Quality Manager

End of Report

TEST RESULTS OF STEEL

Lab ID	:	**CP-2017-02-23-04** **Date: 28-02-17**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.
Agency	:	Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.
Customer's Reference	:	EE/BTP/BBMP/KRIDL/WO/128/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-02-17
Sample ID No	:	2017-02-23-04-02
Sample Type	:	Indus
Reference to BIS codes	:	IS 1786-2008
Date of test:	:	25-02-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample (kg/m)	Yield stress (N/mm^2)	Tensile strength (N/mm^2)	Elongation (%)
1	Indus	Fe500	10mm	0.611	569	672	21.0%

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Bend test	Rebend test
1	Indus	Fe500	10mm	Satisfactory	Satisfactory

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Prepared By:
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TEST REPORT OF CEMENT CONCRETE KERB STONE

Lab ID : **CP-2017-02-09-02** **Date: 15-02-17**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

Agency : Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.

Customer's Reference : EE/BTP/BBMP/KRIDL/WO/128/2016-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 09-02-17

Sample ID No : 2017-02-09-02-01

Sample Type /Size : CC Kerb Stone/ 450*165*400mm

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 09/02/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm2)	(N/mm2)	(N/mm2)
1	A	100.02	165.51	2.854	7856	132.5	16.9	16.9	21.1
2	B	100.02	165.49	2.816	7856	128.2	16.3	16.3	20.4
3	C	100.00	165.50	2.876	7853	130.8	16.7	16.7	20.8

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TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2017-02-09-02** **Date: 14-02-17**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

Agency : Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.

Customer's Reference : EE/BTP/BBMP/KRIDL/WO/128/2016-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 09-02-17

Sample ID No : 2017-02-09-02-02

Sample Type /Size : Precast Cover Slab

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 09/02/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(mm)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.01	100.51	2.376	4418	95.1	21.5	20.0	25.0
2	Cover Slab-2	75.05	100.52	2.388	4423	97.6	22.1	20.5	25.7
3	Cover Slab-3	75.06	100.51	2.465	4424	95.8	21.7	20.1	25.2

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-03-10-05** **Date: 13-03-17**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

Agency : Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.

Customer's Reference : EE/BTP/BBMP/KRIDL/WO/128/2016-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-03-17

Sample ID No : 2017-03-10-05/01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	06/03/2017	13/03/2017	151.05 X 150.11 X 150.65	22674	8.197	412.7	18.2	18.3
2	Drain Concrete	M20	06/03/2017	13/03/2017	150.65 X 151.76 X 151.38	22863	8.154	418.4	18.3	
3	Drain Concrete	M20	06/03/2017	13/03/2017	151.63 X 150.66 X 150.87	22845	8.185	422.6	18.5	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27-03-17

Lab ID	:	**CP-2017-03-10-05**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.
Agency	:	Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.
Customer's Reference	:	EE/BTP/BBMP/KRIDL/WO/128/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-03-17
Sample ID No	:	2017-03-10-05/02
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 21 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	06/03/2017	27/03/2017	150.87 X 150.96 X 150.27	22775	8.107	512.4	22.5	21.6
2	Drain Concrete	M20	06/03/2017	27/03/2017	150.77 X 150.55 X 149.98	22698	8.054	476.7	21.0	
3	Drain Concrete	M20	06/03/2017	27/03/2017	151.87 X 151.98 X 150.54	23081	8.153	491.6	21.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2017-03-10-05** **Date: 13-03-17**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.
Agency	:	Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.
Customer's Reference	:	EE/BTP/BBMP/KRIDL/WO/128/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-03-17
Sample ID No	:	2017-03-10-05/03
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	08/03/2017	15/03/2017	150.44 X 150.82 X 150.82	22689	8.143	397.1	17.5	17.2
2	Drain Concrete	M20	08/03/2017	15/03/2017	149.11 X 150.82 X 150.92	22489	8.177	380.1	16.9	
3	Drain Concrete	M20	08/03/2017	15/03/2017	150.22 X 150.83 X 149.12	22658	8.156	387.4	17.1	

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Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-03-10-05** **Date: 29-03-17**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

Agency : Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.

Customer's Reference : EE/BTP/BBMP/KRIDL/WO/128/2016-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-03-17

Sample ID No : 2017-03-10-05/04

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 21 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	08/03/2017	29/03/2017	149.11 X 150.19 X 150.01	22395	8.152	494.9	22.1	21.4
2	Drain Concrete	M20	08/03/2017	29/03/2017	150.26 X 150.22 X 150.81	22572	8.174	487.6	21.6	
3	Drain Concrete	M20	08/03/2017	29/03/2017	150.62 X 150.75 X 150.28	22706	8.117	465.5	20.5	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harsitha

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-03-15-03** **Date: 20-03-17**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

Agency : Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.

Customer's Reference : EE/BTP/BBMP/KRIDL/WO/128/2016-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-03-17

Sample ID No : 2017-03-15-03/01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	13/03/2017	20/03/2017	150.22 X 150.82 X 149.20	22656	8.155	378.4	16.7	16.9
2	Drain Concrete	M20	13/03/2017	20/03/2017	150.82 X 151.77 X 150.82	22890	8.198	393.7	17.2	
3	Drain Concrete	M20	13/03/2017	20/03/2017	150.10 X 150.87 X 150.26	22646	8.251	382.7	16.9	

Note:
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Prepared by
Harsitha

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2017-03-15-03** **Date: 29-03-17**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Balance Roads and Drains AK Colony Singapura in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.
Agency	:	Executive Engineer, KRIDL, #119, 11th Cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleswaram, Bangalore-03.
Customer's Reference	:	EE/BTP/BBMP/KRIDL/WO/128/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-03-17
Sample ID No	:	2017-03-15-03/02
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 21 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	29/03/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	08/03/2017	29/03/2017	150.66 X 149.09 X 150.82	22462	8.186	478.4	21.3	21.7
2	Drain Concrete	M20	08/03/2017	29/03/2017	150.22 X 151.28 X 150.37	22725	8.143	502.2	22.1	
3	Drain Concrete	M20	08/03/2017	29/03/2017	150.85 X 150.37 X 150.98	22683	8.165	492.2	21.7	

Note:
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****End of Report****